

LISTING OF THE CLAIMS

The listing of claims set forth below will replace all prior versions and listings of claims in the application.

1-4 (Canceled)

5. (Currently amended) An injection moulded article produced from a multimodal polyethylene composition having a MWD of 2 to 10 and a density of 905 to 930 kg/m³ and comprising as comonomers to ethylene at least two C₄₋₁₂ alpha olefins.
6. (Currently amended) An article as claimed in claim 5 comprising a multimodal ~~bimodal~~ polyethylene composition comprising:
 - a) a lower molecular weight homopolymer of ethylene ~~and;~~ and
 - b) a higher molecular weight terpolymer of ethylene, 1-butene and a C₅ to C₁₂ alpha-olefin.
7. (Currently amended) An article as claimed in claim 5 comprising a multimodal ~~bimodal~~ polyethylene composition comprising:
 - a) a lower molecular weight polymer which is a binary copolymer of ethylene and 1-butene or 1-hexene ~~and;~~ and
 - b) a higher molecular weight polymer different from a) which is either a binary copolymer of ethylene and 1-hexene, or a terpolymer of ethylene, 1-butene and a C₆ to C₁₂ alpha-olefin.
8. (Currently amended) An article as claimed in claim 5 comprising a multimodal ~~bimodal~~ polyethylene composition ~~comprising a) a lower molecular weight polymer which is a terpolymer of ethylene, 1-butene and 1-hexene, and b) a higher molecular weight polymer~~

~~which is a terpolymer of ethylene, 1-butene and 1-hexene comprising:~~

- ~~a) a lower molecular weight polymer which is a terpolymer of ethylene, 1-butene and 1-hexene; and~~
- ~~b) a higher molecular weight polymer which is a terpolymer of ethylene, 1-butene and 1-hexene~~

- 9. (Currently amended) An article as claimed in claim 5 wherein the ratio of components a) to b) is 60:40 to 40:60%wt%.
- 10. (Currently amended) An article as claimed in claim 5, wherein the multimodal ~~bimodal~~ polyethylene composition has a MWD of from 2 to 8.
- 11. (Canceled)
- 12. (Currently amended) An article as claimed in claim 5 wherein the multimodal ~~bimodal~~ polyethylene composition has an impact strength (IS0179 at 23 °C) of at least 40 kJ/m³.
- 13. (Currently amended) An article as claimed in claim 5 wherein the multimodal ~~bimodal~~ polyethylene composition has a tensile modulus (IS0527-2) of from 60 to 400 MPa.
- 14. (Currently amended) An article as claimed in claim 5 wherein the multimodal ~~bimodal~~ polyethylene composition has a hexane extractable fraction (ASTM D5277) of less than 3 wt%.
- 15. (Currently amended) An article as claimed in claim 5 wherein the multimodal ~~bimodal~~ polyethylene composition has a level of migration measured by immersion in olive oil of less than 10 mg/dm².

16. (Previously presented) An article as claimed in claim 5 being medical or food packaging or a closure means.
17. (Currently Amended) A process for the preparation of an injection moulded article as claimed in claim 5 comprising:
 - (I) ~~polymerising~~ polymerizing ethylene and optionally at least one C₄₋₁₂ alpha olefin in a loop reactor in the presence of a metallocene ~~catalyst~~; catalyst;
 - (II) transferring the resulting polymer with the metallocene catalyst to a gas phase reactor and ~~polymerizing~~ polymerizing ethylene and at least one C₄₋₁₂ alpha olefin so as to form a multimodal polyethylene composition comprising as comonomers to ethylene at least two C₄₋₁₂ alpha olefins; and
 - (III) injection moulding said composition.
18. (New) An article as claimed in claim 5 wherein said at least two alpha olefins are selected from but-1-ene, hex-1-ene, 4-methylpent-1-ene, hept-1-ene, oct-1-ene, and dec-1-ene.
19. (New) An article as claimed in claim 5 wherein said at least two alpha olefins are selected from but-1-ene and hex-1-ene.
20. (New) An article as claimed in claim 5 wherein said polyethylene composition comprises an ethylene/1-butene copolymer fraction and either an ethylene/1-hexene copolymer fraction or an ethylene/1-butene/1-hexene terpolymer fraction.